

Site Specific HASP Form

This health and safety plan (HASP) provides site-specific guidelines and information for on-site activities that will be conducted by Miller Environmental Group, Inc. (MEG). The combination of the MEG Health and Safety Program and the Health and Safety Plan shall comply with applicable regulations and the Client's minimum requirements for MEG and Subcontractors to conduct work. A copy of the Health and Safety Program / Health and Safety Plan must be available at the site for the duration of activities being conducted.

All sections should be completed as thoroughly as possible prior to the start of work, and revised as site conditions and / or job activities change.

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Section 1: General Site Information

Site Specific HASP Prepared By: Robert Ferguson, CPG

Date: MEG Job #: E16-0002 / E16-0003 / E16-0004

Client: National Grid

Site Name and Address: Greenpoint Facility, 287 Maspeth Ave., Greenpoint, NY

Client Contact: Joseph Odierna Contact Phone #: 516-545-2255

Job Location(s): Southeastern portion of the facility grounds

Job Objective / Work Activities: Decontamination of potentially PCB impacted piping and appurtenances via soaking in accordance with 40CFR 761.79 and MEG/Nat Grid existing permits

Start Date of Work: 2016 Anticipated Duration of Project: On-going

Section 2: Site Description

Physical Site Description (conditions, topography):

Bounded, secured area within Nat Grid's Greenpoint facility, level terrain

Work Area(s) Description (processes, equipment, location, etc.):

Impacted Pipe containers, clean pipe containers and soaking containers - within secondary containment

Weather Conditions (precipitation, temperature, relative humidity, wind direction / speed, forecast):

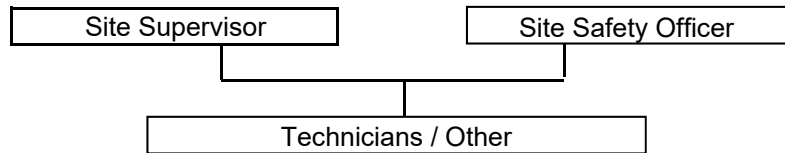
Varies - will be address on daily H&S Briefing

Additional Comments (past use of site, known / potential contaminants, nearby operations):

Section 3: On-Site Command Structure

The on-site command structure will identify the roles and responsibilities of key project personnel, as follows:
(Note: One person may carry out more than one job function)

MEG On site command structure:



Role	Primary Responsibilities
Site Supervisor	Authority to direct all activities on site <ul style="list-style-type: none">• Manage field operations and document field activities• Review HASP with project personnel prior to the start of work• Enforce safe work procedures and site control• Sole point of contact for all communications on site• _____• _____- _____

On site personnel assigned to this job function: Varies - will be addressed on daily H&S Sheet

Site Safety Officer	Shall oversee health and safety issues and HASP implementation on site <ul style="list-style-type: none">• Conduct Health and Safety briefings at beginning of work shift / as needed• Monitor safety procedures and site control• Monitor entry and exit of exclusion zone(s)• Monitor work crew for signs of stress / exposure• _____• _____• _____
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On site personnel assigned to this job function: Varies - will be addressed on daily H&S Sheet

Technician	<ul style="list-style-type: none">• _____- _____• _____
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On site personnel assigned to this job function: Varies - will be addressed on daily H&S Sheet

Other	<ul style="list-style-type: none">• _____- _____• _____
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On site personnel assigned to this job function:

All personnel arriving / departing the site shall sign IN and OUT with the Site Supervisor or their Designee.

Section 4: Site Hazards

Chemical Hazards

The following chemical(s) / product(s) / substance(s) are known or suspected to be present on-site:

Substance (chemical / product): Polychlorinated Biphenols

Location (leaking drums, spill on roadway, etc):

Potentially impacted pipes and appurtenances

Description (characteristics, concentration, amount, etc):

Varies - less then 50 ppm

SDS On Site? Yes

SDS Reviewed?

Yes

Contaminant / Waste Classification: ☐ Corrosive

☐ Reactive

☐ Flammable

☐ Toxic

☐ Volatile

☐ Unknown

Primary Exposure Hazard: ☐ Inhalation

☒ Ingestion

☒ Contact

Work practices / engineering controls to reduce hazard:

PPE (Tyvek, gloves, eye protectin) worn

when working with soaking solution

Substance (chemical / product): CitriClean

Location (leaking drums, spill on roadway, etc):

Vac-truck / soaking container / Storage tank

Description (characteristics, concentration, amount, etc):

See SDS

SDS On Site? Yes

SDS Reviewed?

Yes

Contaminant / Waste Classification: ☐ Corrosive

☐ Reactive

☐ Flammable

☐ Toxic

☐ Volatile

☐ Unknown

Primary Exposure Hazard: ☐ Inhalation

☐ Ingestion

☐ Contact

Work practices / engineering controls to reduce hazard:

PPE (Tyvek, gloves, eye protectin) worn

when working with soaking solution

Substance (chemical / product): _____

Location (leaking drums, spill on roadway, etc): _____

Description (characteristics, concentration, amount, etc): _____

SDS On Site? _____

SDS Reviewed? _____

Contaminant / Waste Classification: ☐ Corrosive

☐ Reactive

☐ Flammable

☐ Toxic

☐ Volatile

☐ Unknown

Primary Exposure Hazard: ☐ Inhalation

☐ Ingestion

☐ Contact

Work practices / engineering controls to reduce hazard: _____

(Use additional sheets as necessary)

Physical Hazards

The following physical conditions / hazards are known or suspected to be present on-site:

Check all that apply

Hazard	Work practices / engineering controls to reduce hazard
<input type="checkbox"/> Aboveground utilities	
<input checked="" type="checkbox"/> Cold stress	Take breaks as needed to warm up. Dress in layers
<input type="checkbox"/> Confined space	
<input type="checkbox"/> Crime area	
<input type="checkbox"/> Demolition	
<input type="checkbox"/> Electrical	
<input type="checkbox"/> Excavation / trenches	
<input type="checkbox"/> Excessive noise	
<input type="checkbox"/> Fall hazards	
<input type="checkbox"/> Fire hazards	
<input checked="" type="checkbox"/> Heat stress	Take breaks & drink plenty of fluids. Crew members should observe eachother & watch for heat stress syptoms
<input checked="" type="checkbox"/> Heavy equipment	Utilize only one spotter during boom truck operation, and use proper hand signals when spotting elevated loads
<input type="checkbox"/> Infectious waste / biohazard	
<input type="checkbox"/> Insufficient lighting	
<input type="checkbox"/> Overhead hazards	Tag-lines are to be used on all suspended loads, no personnel permitted under load
<input type="checkbox"/> Poisonous plants / insects	
<input checked="" type="checkbox"/> Slip, trip and fall hazards	Minimize time within containers
<input checked="" type="checkbox"/> Stacked drums / materials	Use caution when inside the soaking container due to possible pipe shifting.
<input type="checkbox"/> Subsurface / buried objects	
<input type="checkbox"/> Surface debris (glass, sharp objects)	
<input type="checkbox"/> Underground utilities	
<input type="checkbox"/> Unstable structures	
<input type="checkbox"/> Vehicle traffic	
<input type="checkbox"/> Visibility	
<input checked="" type="checkbox"/> Weather conditions	Be aware of weather conditions, seek appropriate safe have in the event of lightning. Work can only resume after 30 minutes have elapsed from the last strike and threat has passed.
<input checked="" type="checkbox"/> Wet / slippery surfaces	Use caution when entering and exiting the soaking container due to wet and slippery conditions
<input type="checkbox"/> Other work limitations:	
<input type="checkbox"/> Other work limitations:	

Notes / Comments:

Additional hazards or concerns will be address on a daily basis on the daily H&S sheet

Section 5: Work Practices & Engineering Controls

The following work practices and engineering controls shall be used to further reduce hazards on site:

Check all that apply

- | | |
|--|--|
| <input checked="" type="checkbox"/> No eating or drinking in hot or warm zones | <input type="checkbox"/> Caution Tape |
| <input checked="" type="checkbox"/> No smoking in work area(s) | <input type="checkbox"/> Poly / Enclose Work Area(s) |
| <input type="checkbox"/> Space / Area Ventilation | <input type="checkbox"/> Warning Signs / Barricades |
| <input type="checkbox"/> Ignition Sources Controlled / Stopped | <input type="checkbox"/> Containment / Boom Deployment |
| <input type="checkbox"/> Disconnect / Blank Lines | <input type="checkbox"/> Lighting |
| <input type="checkbox"/> Equipment Bonding (Grounding) | <input type="checkbox"/> Explosion-proof lighting |
| <input type="checkbox"/> Spark-proof tools / equipment | <input type="checkbox"/> Lock-Out / Tag-Out Procedures |
| <input checked="" type="checkbox"/> Personal Protective Equipment | |
| <input type="checkbox"/> Monitoring (Specify) _____ | |
| <input type="checkbox"/> Other (Specify) _____ | |

Notes / Comments:

Section 6: Work Zones & Personal Protective Equipment

Work Zones, the Job Task(s) to be performed in each work zone, and Level of Protection to be used, and Decon Procedures to be used for this project are described below.

Hot Zone / Restricted Zone

Description of work area /zone:	When Entering Soaking Container			
Task(s) to be performed in area:	Loading & Unloading pipe for soaking, Rigging			
Level of Protection (Circle):	A	B	C	D(Modified)
Respiratory Protection:	Half-Face	Full-Face	SCBA	Cascade
Other Protective Equipment:	Hearing Protection	Face Shields	Insect Repellent	Sunscreen
	Other (Describe):	Hard hat, safety glasses, safety boots, Poly-Tyvek, Overboots and PVC/ Nitrile Gloves		
Decontamination Procedures:				

Warm Zone / Contamination Reduction Zone

Description of work area /zone:				
Task(s) to be performed in area:				
Level of Protection (Circle):	A	B	C	D
Respiratory Protection:	Half-Face	Full-Face	SCBA	Cascade
Other Protective Equipment:	Hearing Protection	Face Shields	Insect Repellent	Sunscreen
	Other (Describe):			
Decontamination Procedures:				

Cold Zone

Description of work area /zone:	Support zone adjacent to soaking container			
Task(s) to be performed in area:	Vac truck operations & boom truck operations			
Level of Protection (Circle):	A	B	C	D
Respiratory Protection:	Half-Face	Full-Face	SCBA	Cascade
Other Protective Equipment:	Hearing Protection	Face Shields	Insect Repellent	Sunscreen
	Other (Describe):	Hard hat, safety glasses, safety boots, Gloves as needed		
Decontamination Procedures:				

Decontamination Supply checklist:

- | | | |
|--|---|--|
| <input type="checkbox"/> Water sprayers | <input type="checkbox"/> Steam cleaner / Power washer | <input type="checkbox"/> Hoses |
| <input type="checkbox"/> Cleaner / detergent | <input type="checkbox"/> Disposable wipes | <input type="checkbox"/> Hand cleaner |
| <input type="checkbox"/> Water | <input type="checkbox"/> Deionized water | <input type="checkbox"/> Hand washing sink |
| <input type="checkbox"/> Poly sheeting | <input type="checkbox"/> Trash bags | <input type="checkbox"/> Scrub brushes |
| <input type="checkbox"/> Buckets | <input type="checkbox"/> Containment pool | <input type="checkbox"/> 55-gallon drums |
| <input type="checkbox"/> Towels | <input type="checkbox"/> Other: | |

Section 7: Monitoring

Air monitoring will be conducted, with action levels specified, as follows:

Monitoring Instrument (Check)	Contaminant Monitored for	Exposure Limit	Action Level
<input type="checkbox"/> PID	Volatile compounds (VOCs)		
<input type="checkbox"/> Combustible Gas Monitor	Oxygen (O ₂)		less than 19.5 % greater than 23.5%
	Explosive atmosphere (LEL)		10%
	Hydrogen sulfide (H ₂ S)		
<input type="checkbox"/> VRae Multi Gas Monitor	Oxygen (O ₂)		less than 19.5 % greater than 23.5%
	Carbon monoxide (CO)	50 ppm (TWA)	
	Explosive atmosphere (LEL)		10%
	Toxic Gas (Circle to specify)		
	Hydrogen sulfide (H ₂ S)	20 ppm (Ceiling)	
	Hydrogen cyanide (HCN)	10 ppm (TWA)	
	Chlorine (Cl ₂)	1 ppm (Ceiling)	
<input type="checkbox"/> Jerome Hg Analyzer	Mercury vapor (Hg)	0.05 mg/m ³ (NIOSH)	
<input type="checkbox"/> Noise dosimeter	Noise levels	85 dB (TWA)	
<input type="checkbox"/> Personal sampling pumps			
<input type="checkbox"/> Other:			

(Exposure limit information obtained from NIOSH Pocket Guide to Chemical Hazards, Jan. 2003)

Notes / Comments:

Section 8: Methods of Communication

The following forms of communication shall be used on site in specified work areas:

Type of Communication (Check)	Work zone(s) to be used in (Hot, Warm, Cold)	Note / Comment
Voice <input type="checkbox"/>		
Hand Signals <input type="checkbox"/>		
Visual Contact <input type="checkbox"/>		
Nextels <input type="checkbox"/>		
Cell Phones <input type="checkbox"/>		
Intrinsically Safe Radios <input type="checkbox"/>		
Other: <input type="checkbox"/>		

Section 9: Emergency Contact Information

Site specific emergency contact information is as follows:

Hospital: Wyckoff heights Medical Center
Address: 374 stockholm St., Brooklyn, NY 11237 Distance from site: 1.8 Miles
Directions from Site: See Attached

Map / directions attached?: Yes

Ambulance: 911
Fire Department: 911
Police Department: 911
NYS Poison Control: 1-800-222-1222

Additional Contact Information (If applicable)

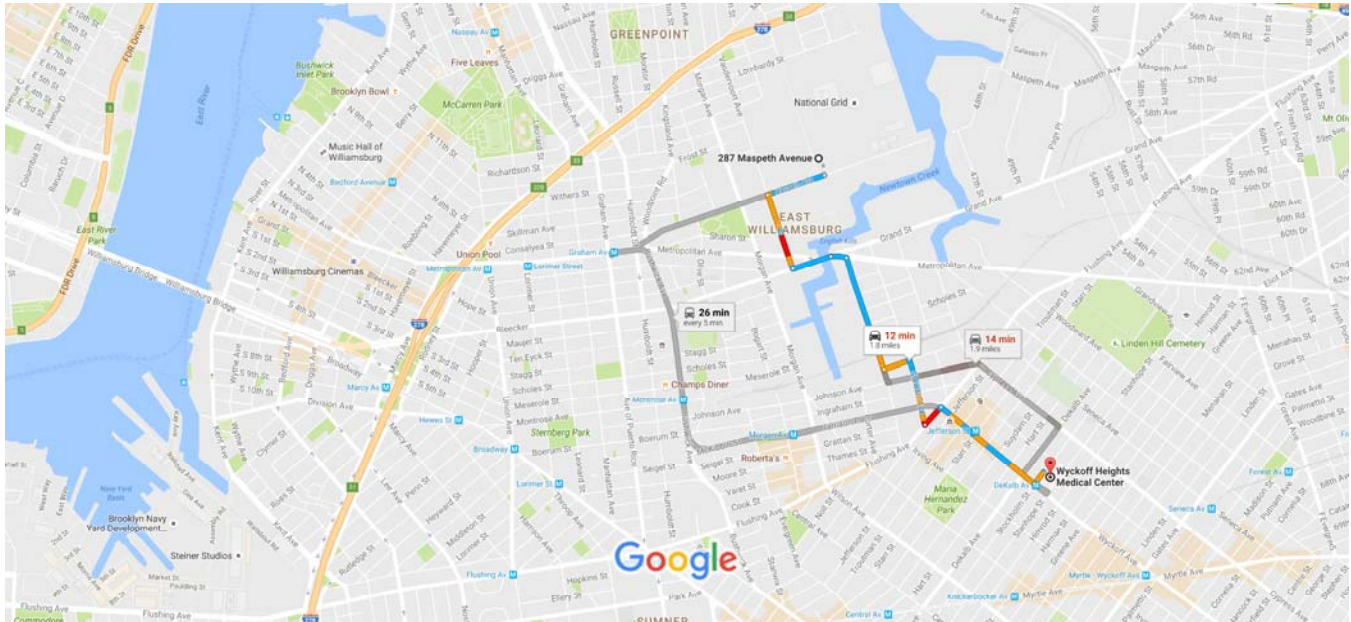
Federal Agency:	<u></u>	Contact #:	<u></u>
State Agency:	<u>NYSDEC Spill Hotline</u>	Contact #:	<u>1-800-457-7362</u>
Local Agency:	<u></u>	Contact #:	<u></u>
Other:	<u>Hospital</u>	Contact #:	<u>718-963-7272</u>

Notes / Comments:



287 Maspeth Avenue, Brooklyn, NY 11211
to Wyckoff Heights Medical Center

Drive 1.8 miles, 12 min



Map data ©2016 Google 1000 ft

287 Maspeth Avenue

Brooklyn, NY 11211

Take Vandervoort Ave to Grand St

1. Head west on Maspeth Ave toward Varick Ave

3 min (0.4 mi)

2. Turn left onto Vandervoort Ave

0.2 mi

0.2 mi

Continue on Grand St to Varick Ave

3. Turn left onto Grand St

39 s (0.2 mi)

4. Grand St turns slightly right and becomes Metropolitan Ave

0.1 mi

269 ft

Continue on Varick Ave to Flushing Ave

5. Turn right onto Varick Ave

3 min (0.7 mi)

0.4 mi

↩ 6. Turn left onto Randolph St

459 ft

➡ 7. Turn right onto Stewart Ave

0.2 mi

Take Wyckoff Ave to Stockholm St

3 min (0.5 mi)

↩ 8. Turn left onto Flushing Ave

404 ft

➡ 9. Turn right onto Wyckoff Ave

0.4 mi

↩ 10. Turn left onto Stockholm St

 Destination will be on the right

56 s (259 ft)

Wyckoff Heights Medical Center

374 Stockholm Street, Brooklyn, NY 11237

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Section 10: Emergency Action Procedures

All site personnel shall follow the following emergency action procedures to ensure a quick, safe and proper response in the event of an emergency. Emergency incidents include physical and chemical hazards, due to or associated with, chemical releases, spills, fires, explosions, natural disasters, and medical emergencies.

Person(s) responsible for employee accountability in an emergency: Site Supervisor

Evacuation

In the event of an emergency requiring evacuation of the site, all personnel shall immediately report to the evacuation location and await further instructions.

Means of alerting site personnel to evacuate: Verbal and Visual

Evacuation assembly location: Vehicle Parking

Personnel may perform emergency shutdown of equipment if they are outside the immediate hazard area, can do so quickly (within 1-2 minutes), and are not placing themselves in danger by doing so.

Site personnel designated to conduct shut down if necessary: _____

Procedures to account for site personnel: Visual Head Count from Tailgate safety Briefing sign-in/out

All personnel shall be positively accounted for or they will be considered to be in the hazard area.

Personnel designated / trained to assist in evacuation of personnel: Site Supervisor

Fire / Other Emergencies

Means of reporting fire / other emergencies: 911

Personnel trained in the use of fire extinguishers may attempt to extinguish incipient level fires / releases if it is safe to do so. Personnel shall relinquish activities to fire / emergency response personnel upon their arrival.

Personnel authorized to use fire extinguishers: All MEG Employees

Location of fire extinguisher(s): On MEG Equipment

Medical Emergencies

Medical emergencies are those that require more than basic first aid. Examples of medical emergencies include broken bones, heart attack, and loss of consciousness. In the event of a medical emergency, the injured person should be attended to, if it is safe to do so, information should be gathered regarding the injury, and medical assistance should be called for (911). The injured person should not be moved unless in immediate danger of further injury. Personnel trained and certified in First Aid and / or CPR may choose to assist in rescue / medical duties if it safe to do so.

Personnel designated / trained to perform medical / rescue duties: All MEG Personnel

Location of First Aid Kit: On MEG Equipment

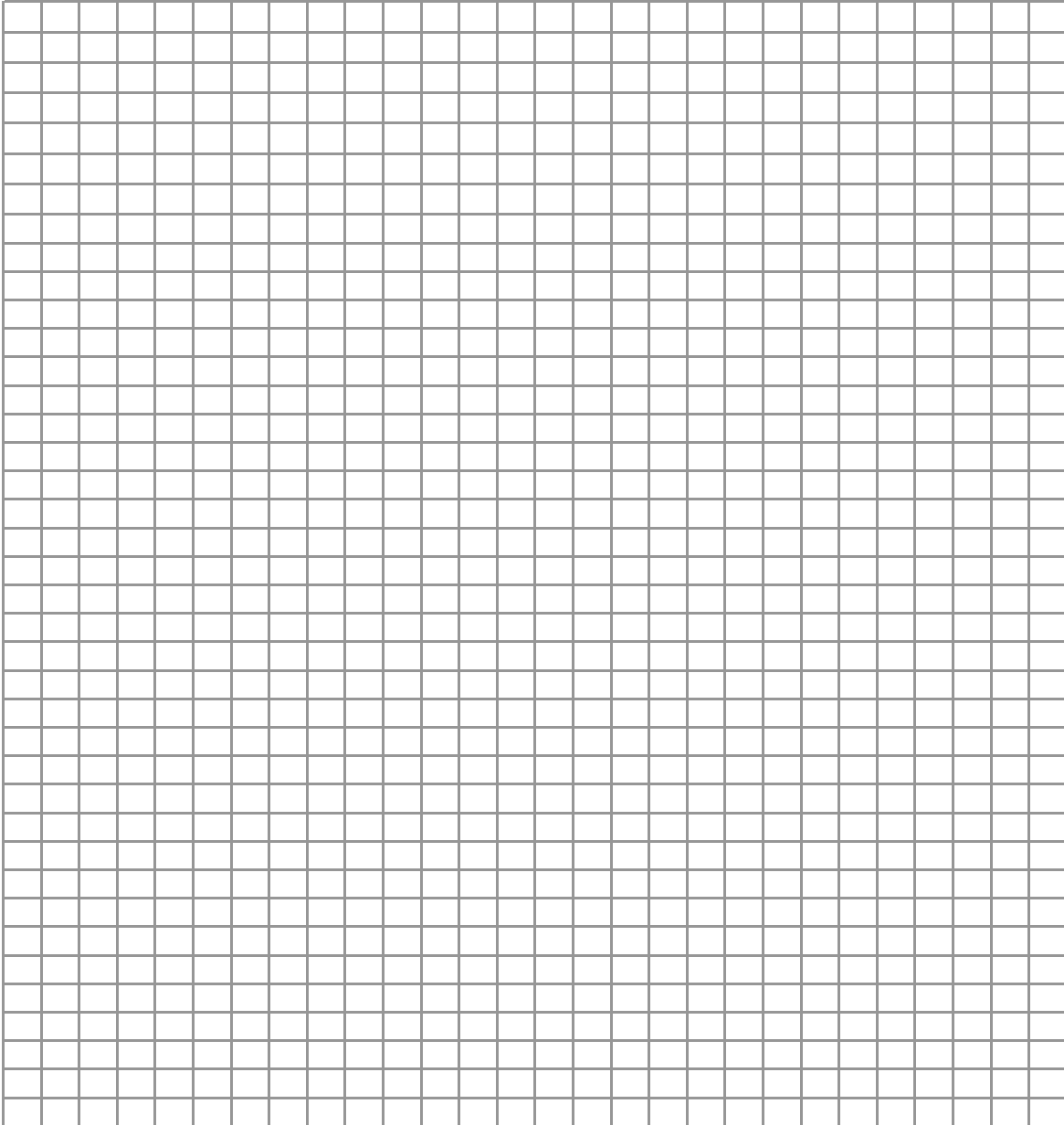
Location of Eye Wash / Shower: On MEG Equipment

Location of other safety supplies: On MEG Equipment

Emergency Action Procedures reviewed with all on site personnel? Recorded on Daily H&S Sheet

Section 11: Site Diagram

Include location of property boundaries, nearby operations, prevailing wind direction, work zones, emergency evacuation assembly point, location of first aid / fire extinguisher supplies, etc.



Notes: _____

Photographs Taken? ☐ Yes ☐ No



MILLER ENVIRONMENTAL GROUP, INC.
 1300 SHAMES DR., WESTBURY, NY 11590
 PHONE: 516.876.7940 - FAX: 516.876.7946

FIGURE 1
GENERAL SITE LAYOUT
GREENPOINT SOAKING YARD
GREENPOINT, NY

DRAWN BY: RJF
 DATE: 08/26/16
 SCALE: NTS

CLIENT:
 NATIONAL GRID
 MEG #: E16-0002/0003/0004

Section 12: Comments and Signatures

Site Safety Officer's Comments:

Name (Print): _____

Signature: _____

Date: _____

Project Manager's Comments:

Name (Print): _____

Signature: _____

Date: _____

Site Supervisor's Comments:

Name (Print): _____

Signature: _____

Date: _____

Section 13: HASP Review Acknowledgement

The contents of this Site Specific HASP have been communicated for the work to be performed.

[illegible]